

## RFID TAG AND PRINTER SYSTEM

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### 10    ABSTRACT OF THE DISCLOSURE

          An RFID label with embedded tag is passed through an  
RFID antenna in a printer system, where the RFID antenna  
allows a roll of such labels to pass in close proximity  
to the antenna and still allow each individual RFID tag  
15   to be read and/or programmed. The RFID antenna has a  
rectangular RF field spreader in contact with a  
triangular divergent RF conductor with an RF source point  
at the point. Ground planes are located on either side  
of the antenna. In another embodiment, the printer  
20   system extracts or parses bar code commands from a data  
stream and passes the commands to both a printer and an  
RFID reader to print the image and program the tag with  
the bar code information.